

Title (en)

Spiked rakes with cleaning device for sewage treatment plants.

Title (de)

Stabrechen mit Rechenreiniger für Abwasserbehandlungsanlagen.

Title (fr)

Grilles à barreaux avec nettoyeurs de grilles pour installations d'épuration d'eaux résiduaires.

Publication

EP 0000467 A1 19790207 (DE)

Application

EP 78100039 A 19780601

Priority

DE 2734119 A 19770728

Abstract (en)

1. A bar screen with a screen cleaner for waste water treatment installations, comprising a carriage (4) up- and downwardly movable in guide means (3) parallel to the screen (1), a rake (12) pivoted to the carriage by means of pivot arms (11) for cleaning the screen, said rake being pivotable by means of the pivot arms between two positions, namely a position of engagement with the screen and a position of disengagement spaced from the screen, a foldable lever arrangement (15) having a pivot point (20) at the carriage (4) and a pivot point (19) at the pivot arm (11) and being capable of assuming a straightened position and a folded position corresponding to the two positions of the rake, and a lower stop (25) arranged in the path of movement of the foldable lever arrangement (15) for moving said foldable lever arrangement from its one position into its other position at the end of the downward movement of the carriage (4), whereby said rake (12), which is in the position of disengagement during the downward movement of the carriage, will be pivoted by the change of position of the foldable lever arrangement (15) into the position of engagement and held in this position during the upward movement, characterized in that the straightened position of the foldable lever arrangement (15) is associated to the position of engagement, and the folded position is associated to the position of disengagement of said rake, and said rake (12) in the position of engagement is positively supported against the carriage by the straightened lever arrangement (15).

Abstract (de)

Zum Reinigen eines Stabrechens für Abwassergerinne od. dgl. dient eine Harke, die an einem am Rechen aufund abwärtsfahrbaren Wagen mittels Schwenkarmen und Knicklenker zwischen einer Eingriffsstellung und einer Freigabestellung schwenkbar gelagert ist. Ortsfeste obere und untere Anschläge bringen die Knicklenker in die gewinkelte bzw. gestreckte Lage. Erfindungsgemäß ist der Eingriffsstellung der Harke die gestreckte Lage der Knicklenker zugeordnet, so daß die Harke in der Ruhestellung und während der Aufwärtsfahrt formschlüssig in Eingriffsstellung gehalten ist. In dieser Stellung können am Wagen oder an den Schwenkarmen vorgesehene Abstützmittel die Rechenhöhe zusätzlich abstützen.

IPC 1-7

E02B 8/02; **C02C 1/22**

IPC 8 full level

E02B 5/08 (2006.01); **E02B 8/02** (2006.01); **B01D 29/00** (2006.01)

CPC (source: EP)

E02B 8/026 (2013.01)

Citation (search report)

- DE 660173 C 19380519 - HELLMUT GEIGER DIPL ING
- CH 328007 A 19580228 - FAEH VINZENZ [CH]
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Designated contracting state (EPC)

CH FR GB NL

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EP 0000467 A1 19790207; **EP 0000467 B1 19801126**; AT 360450 B 19800112; AT A429678 A 19800515; DE 2734119 A1 19790208; DE 2734119 B2 19800417; DE 2734119 C3 19801204; IT 1103625 B 19851014; IT 7809541 A0 19780725; JP S5426039 A 19790227; JP S575927 B2 19820202

DOCDB simple family (application)

EP 78100039 A 19780601; AT 429678 A 19780613; DE 2734119 A 19770728; IT 954178 A 19780725; JP 9166278 A 19780728